

AMENDMENTS TO THE ABSTRACT

Please replace the Abstract on pages 122-123 with the attached revised Abstract (clean version).

A marked-up version of the revised Abstract, showing the changes made therein, is set forth below.

ABSTRACT

The present invention relates to rat cerebellum-derived and human brain-derived G protein coupled receptor proteins or salts thereof, their partial peptides, amides, esters or salts thereof, ligands to the same, a method/kit for screening compounds that alter the binding property between the ligands and the G protein couple receptor proteins, compounds obtained by the screening or salts thereof, and antibodies to the G protein coupled receptor proteins.

The rat cerebellum-derived and human brain-derived G protein coupled receptor proteins and the like are useful: (1) for determination of a ligand to the receptor protein of the present invention (ligand peptide of the present invention) (agonist), (2) as an agent for the prevention and/or treatment of diseases associated with dysfunction of the G protein coupled receptor protein of the present invention, (3) as a genetic diagnostic agent, (4) for quantification of a ligand to the G protein coupled receptor protein of the present invention, (5) for screening of a compound (agonist, antagonist, etc.) that alters the binding property between the G protein coupled receptor protein of the present invention and a ligand (ligand peptide of the present invention), (6) as a agent for the prevention and/or treatment of various diseases, comprising a compound (agonist, antagonist, etc.) that alters the binding property between the G protein coupled receptor protein of the present invention and a ligand (ligand peptide of the present invention), (7) for quantification of the receptor protein, its partial peptide or salts of the present invention, (8) for neutralization by antibodies to the receptor protein, its partial peptide or salts of the present invention and (9) for preparation of a non-human animal bearing the DNA encoding the G protein coupled receptor protein of the present invention.

The present invention relates to a polynucleotide encoding a human brain-derived G protein coupled receptor protein. The human brain-derived G protein coupled receptor protein is useful: (1) for determination of a ligand to the receptor protein, (2) as an agent for the prevention and/or treatment of diseases associated with dysfunction of the receptor protein, (3) as a genetic diagnostic agent, (4) for quantification of a ligand to the receptor protein, (5) for screening of a compound that alters the binding property between the receptor protein and a ligand, (6) as an agent for the prevention and/or treatment of various diseases, comprising a compound that alters the binding property between the receptor protein and a ligand, (7) for quantification of the receptor protein, (8) for neutralization by antibodies to the receptor protein and (9) for preparation of a non-human animal bearing the DNA encoding the receptor protein.